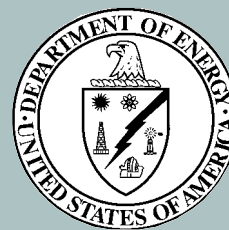


Standards Actions— January 2003

Visit the Technical Standards
Program Web Site at
<http://tis.eh.doe.gov/techstds/>.

Standards Actions



DOE Technical Standards Program Document Status

12-23-2002

Activity Summary

In Conversion – 4

In Preparation – 49

Out for Comment – 22

Published this Month – 1



5-year Review Status

Revision in Progress – 10

Reaffirmation in Progress – 9

Cancellation Pending – 5

Cancellation in Progress – 1

No Current Action – 21

DOE Technical Standards Projects Initiated

If you have any questions or are interested in participating in the development of this standard, please contact the representative listed below. Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web Site (<http://tis.eh.doe.gov/techstds/>). To access these lists from the home page, click on "DOE Technical Standards," then click on "Projects" in the left-hand frame to show the links to the project lists.

The following DOE Technical Standards project was recently initiated:

- *DOE Handbook: Best Practices for Behavior-Based Safety*, Project Number HFAC-0018, M. Norman Schwartz, EH-53; 301-903-2996, Fax 301-903-6172, Norm.Schwartz@eh.doe.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will request specific reviewers to comment on these drafts. The full text of the documents is available on the TSP Web Site. If you wish to comment on this document, please notify your TSM.

The following draft DOE Technical Standards were recently distributed for coordination.

- *Technical Program Manager Functional Standard*; Project Number TRNG-0014; Project Contact: M. Norman Schwartz, U.S. Department of Energy, Preparing Activity EH-53, 301-903-2996; fax: 301-903-6172; Norm.Schwartz@eh.doe.gov. Comments are due January 27, 2003. [Note: replaces the 2000 draft.]

DOE Technical Standards Recently Published

The following DOE Technical Standards were recently published and posted on the TSP Web Site:

- DOE-HDBK-1113-98 (Change Notice 1), *Radiological Safety Training for Uranium Facilities*, December 2002.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 800-473-4375, Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 800-473-4375, Fax 301-903-9823.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI

(Continued on page 2)

Inside this issue:

DOE Technical Standards Projects Initiated	1
DOE Technical Standards Recently Sent for Coordination	1
DOE Technical Standards Recently Published	1
American National Standards Institute	1
ASTM International	4

(Continued from page 1)

membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ASME B31.8-200x, *Gas Transmission and Distribution Piping Systems* (revision of ANSI/ASME B31.8-1999) – February 4, 2003.
 - ASTM C709-200x, *Terminology Relating to Manufactured Carbon and Graphite* (revision of ANSI/ASTM C709-200x) – January 20, 2003.
 - ASTM D396-200x, *Specification for Fuel Oils* (revision of ANSI/ASTM D396-2002) – January 20, 2003.
 - ASTM D6224-200x, *Practice for In-Service Monitoring of Lubricating Oil for Auxiliary Power Plant Equipment* (revision of ANSI/ASTM D6224-1998) – January 20, 2003.
 - AWS A5.26/A5.26M-200x, *Specification for Carbon and Low-Alloy Steel Electrodes for Electroslag Welding* (revision of ANSI/AWS A5.26/A5.26M-97) – February 11, 2003.
 - AWS C5.10-200x, *Recommended Practices for Shielding Gases for Welding and Plasma Arc Cutting* (revision of ANSI/AWS C5.10-1994) – January 21, 2003.
 - AWS F1.6-200x, *Guide for Estimating Welding Emissions for EPA and Ventilation Permit Reporting* (new standard) – February 4, 2003.
 - H35.1-200x, *Alloy and Temper Designation Systems for Aluminum* (revision of ANSI H35.1-2000) – February 18, 2003.
 - IEEE 837-2002, *Standard for Qualifying Permanent Connections Used in Substation Grounding* (revision of ANSI/IEEE 837-1989 (R1996)) – January 21, 2003.
 - IEEE 1110-200x, *Guide for Synchronous Generator Modeling Practices and Applications in Power System Stability Analyses* (new standard) – January 21, 2003.
 - NECA FOA 301-200x, *Installing and Testing Fiber Optic Cables* (new standard) – January 28, 2003.
 - UL 20-200x, *Standard for Safety for General-Use Snap Switches* (revision of ANSI/UL 20-2002) – January 27, 2003.
 - UL 83-200x, *Standard for Safety for Thermoplastic-Insulated Wires and Cables* (Bulletin dated 12/5/02) (revision of ANSI/UL 83-1999) – January 27, 2003.
 - UL 943-200x, *Ground-Fault Circuit Interrupters* (Bulletin dated 12/17/02) (revision of ANSI/UL 943-2002) – February 3, 2003.
- The following American National Standards have been approved for publication** Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900. (Publication is to take place within six months following the date shown):
- ANSI J-STD-042-2002, *Emergency Alert Message for Cable* (new standard) – December 3, 2002.
 - ANSI S12.10-2002/ISO 7779:1999 (incl AMD1), *Acoustics – Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment* (national adoption, ANSI S12.10-1985 (R1997)) – November 21, 2002.
 - ANSI/ANS 2.2-2002, *Earthquake Instrumentation Criteria for Nuclear Power Plants* (revision of ANSI/ANS 2.2-1988) – November 21, 2002.
 - ANSI/ANS 56.8-2002, *Nuclear Reactors – Containment System Leakage Testing Requirements* (revision of ANSI/ANS 56.8-1994) – November 27, 2002.
 - ANSI/APS 510-2000, *Pressure Vessel Inspection Code: Maintenance Inspection, Rating, Repair, and Alteration, 8th Edition, Including Addenda 1 & 2* (new standard) – December 3, 2002.
 - ANSI/API 610-2002, *Centrifugal Pumps for Petroleum, Petrochemical and Natural Gas Industries* (identical national adoption and revision of ANSI/API 610-1995) – November 21, 2002.
 - ANSI/API RP-500-1998 (R2003), *Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities, Class 1, Division 1 and Division 2* (reaffirmation of ANSI/API RP-500-1998) – November 25, 2002.
 - ANSI/ASME Y14.42-2002, *Digital Approval Systems* (new standard) – November 20, 2002.
 - ANSI/ASTM E176-2002, *Terminology of Fire Standards* (revision of ANSI/ASTM E176-2001) – October 10, 2002.

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(Continued from page 2)

- ANSI/IEEE C37.20.7-2001, *Guide for Testing Medium-Voltage Metal-Enclosed Switchgear for Internal Arcing Faults* (new standard) – November 14, 2002.
- ANSI/IEEE C57.123-2002, *Guide for Transformer Loss Measurement* (new standard) – November 13, 2002.
- ANSI/ISA 75.11.01-1985 (R2002), *Inherent Flow Characteristic and Rangeability of Control Valves* (reaffirmation and redesignation of ANSI/ISA S75.11-1985 (R1997)) – November 19, 2002.
- ANSI/UL 13-2002, *Standard for Safety for Power-Limited Circuit Cables* (revision of ANSI/UL 13-1999) – November 13, 2002.
- ANSI/UL 508-2002, *Standard for Safety for Industrial Control Equipment* (revision of ANSI/UL 508-2001a) – November 21, 2002.
- ANSI/UL 1472-2002, *Standard for Safety for Solid-State Dimming Controls* (revision of ANSI/UL 1472-1997) – November 12, 2002.
- ANSI/UL 1917-2002, *Standard for Safety for Solid-State Fan Speed Controls* (revision of ANSI/UL 1917-1996) – November 19, 2002.
- ANSI/UL 60950-1-2002, *Standard for Information Technology Equipment – Safety – Part 1: General Requirements* (revision and redesignation of ANSI/UL 60950-2000) – December 2, 2002.

The following international standards are currently in coordination (comment due dates follow each entry):

- ISO/DIS 9409-1, *Manipulating industrial robots – Mechanical interfaces – Part 1: Plates* – February 13, 2003.
- ISO/DIS 10461, *Seamless aluminum-alloy gas cylinders – Periodic inspection and testing* – February 27, 2003.
- ISO/DIS 12480-3, *Cranes – Safe use – Part 3: Tower cranes* – February 27, 2003.
- ISO/DIS 13381-1, *Condition monitoring and diagnostics of machines – Prognostics – Part 1: General guidelines* – March 13, 2003.
- ISO/DIS 14943, *Nuclear fuel technology – Administrative criteria related to criticality safety* – February 27, 2003.
- ISO/DIS 15647, *Nuclear fuel technology – Isotopic analysis of uranium hexafluoride by double-standard gas-source mass spectrometric method* – March 6, 2003.
- ISO/DIS 15686-6, *Buildings and constructed assets – Service life planning – Part 6: Guidelines for considering environmental impacts* – February 20, 2003.
- ISO/DIS 17398, *Safety colours and safety signs – Durability of safety signs* – February 20, 2003.
- ISO/DIS 17873, *Nuclear facilities – Criteria for the design and operation of ventilation systems for nuclear installations other than nuclear reactors* – February 27, 2003.

The following newly published international standards are available:

- IEC 60695-5-1 Ed.2.0 b:2002, *Fire hazard testing – Part 5-1: Corrosion damage effects of fire effluent – General guidance*.
- IEC 60896-11 Ed. 1.0 b:2002, *Stationary lead-acid batteries – Part 11: Vented types – General requirements and methods of tests*.
- ISO 5660-1:2002, *Reaction-to-fire tests – Heat release, smoke production and mass loss rate – Part 1: Heat release rate (cone calorimeter method)*.
- ISO 5660-2:2002, *Reaction-to-fire tests – Heat release, smoke production and mass loss rate – Part 2: Smoke production rate (dynamic measurement)*.
- ISO 9934-2:2002, *Non-destructive testing – Magnetic particle testing – Part 2: Detection media*.
- ISO 11303:2002, *Corrosion of metals and alloys – Guidelines for selection of protection methods against atmospheric corrosion*.
- ISO 12108:2002, *Metallic materials – Fatigue testing – Fatigue crack growth method*.
- ISO 12345:2002, *Diesel engines – Cleanliness assessment of fuel injection equipment*.
- ISO 14302:2002, *Space systems – Electromagnetic compatibility requirements*.
- ISO 14620-1:2002, *Space systems – Safety requirements – Part 1: System safety*.
- ISO 16426:2002, *Fasteners – Quality assurance system*.
- ISO/IEC 13249-6:2002, *Information technology – Database languages – SQL multimedia and application packages – Part 6: Data mining*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Institute of Aeronautics and Astronautics (AIAA)

Office: 1801 Alexander Bell Drive
Reston, VA 20191
Fax: 703-264-7551
Contact: James E. French, jimf@aiaa.org

(Continued on page 4)

(Continued from page 3)

- AIAA S-081A-200x, *Space Systems – Composite Overwrapped Pressure Vessels (COPV)* (revision of ANSI/AIAA S-081-2000).
- AIAA S-089-200x, *Space Systems – Composite Pressurized Structures* (new standard).

American Gas Association (AGA)

Office: 400 N. Capitol St., N.W.
Washington, DC 20001
Fax: 202-824-9185
Contact: Paul Gustilo, pgustilo@aga.org

- GPTC Z380.1-200x, *Gas Piping Technology Committee Guide for Gas Transmission and Distribution Systems, 2003 Edition* (revision of ANSI/GPTC Z380.1-1998).

American Nuclear Society (ANS)

Office: 555 North Kensington Avenue
La Grange Park, IL 60526-5592
Fax: 708-352-6464
Contact: Suriya Ahmad, sahmad@ans.org

- ANS 58.23-200x, *Methodology for Fire PRA* (new standard).

American Society of Mechanical Engineers (ASME)

Office: 3 Park Avenue, 20th Floor
New York, NY 10016
Fax: 212-591-8501
Contact: Silvana Rodriguez-Bhatti,
rodriguezs@asme.org

- BSR/ASME A112.X.X-200x, *Qualification of Installers of Residential Fire Sprinkler Systems* (new standard).
- BSR/ASME A112.X.Y-200x, *Qualification of Installers of Fire Stops and Fire Stop Protection Systems* (new standard).
- BSR/ASME Y14.4-200x, *Reference Designations for Electrical and Electronics Parts and Equipments* (new standard).

CSA America Inc. (CSA)

Office: 8501 East Pleasant Valley Road
Cleveland, OH 44131-5575
Fax: 216-642-3463
Contact: Allen Callahan,
al.callahan@csa-america.org

- CSA FC5-200x, *Hydrogen Generators Using Fuel Processing Technologies* (new standard).

Institute of Electrical and Electronics Engineers (IEEE)

Office: 445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331
Fax: 732-562-1571
Contact: Bob Pritchard, r.pritchard@ieee.org

- BSR C63.7-200x, *Guide for Construction of Open-Area Test Sites for Performing Radiated Emission Measurements for Hazard Evaluation* (new standard).

Laser Institute of America (LIA)

Office: 13501 Ingenuity Drive, Suite 128
Orlando, FL 32826
Fax: 407-380-5588
Contact: Barbara Sams, bsams@laserinstitute.org

- BSR Z136.4-200x, *Recommended Practice for Laser Safety Measurements for Hazard Evaluation* (new standard).

ASTM International

Standards activities of ASTM International (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691, Fax: 610-832-9667. ASTM publications may be ordered from the ASTM Customer Services Department at (610) 832-9585, Fax: 610-832-9555. Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672, Fax: 610-832-9666. Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination (the due date for all items is January 10, 2003):

- D 3911-95, *Test Method for Evaluating Coatings Used in Light-water Nuclear Power Plants at Simulated Design Basis Accident (DBA) Conditions* – revised standard.
- E 176-02, *Terminology of Fire Standards* – revised standard.
- E 1623-02b, *Test Method for Determination of Fire and Thermal Parameters of Materials, Products, and Systems Using an Intermediate Scale Calorimeter ICAL* – revised standard.

The following newly published standards are available from ASTM:

- C 125-02, *Terminology Relating to Concrete and Concrete Aggregates* – revised standard.
- C 330-02, *Specification for Lightweight Aggregates for Structural Concrete* – revised standard.
- C 1533-02, *Guide for General Design Considerations for Hot Cell Equipment* – new standard.

(Continued on page 5)

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- D 4175-02a, *Terminology Relating to Petroleum, Petroleum Products, and Lubricants* – revised standard.
- D 6299-02, *Practice for Applying Statistical Quality Assurance Techniques to Evaluate Analytical Measurement System Performance* – revised standard.
- E 185-02, *Practice for Design of Surveillance Programs for Light-Water Moderated Nuclear Power Reactor Vessels* – revised standard.
- E 944-02 (Includes change to title), *Guide for Application of Neutron Spectrum Adjustment Methods in Reactor Surveillance, E 706 (IIA)* – revised standard.
- E 1006-02, *Practice for Analysis and Interpretation of Physics Dosimetry Results for Test Reactor, E 706(IIA)* – revised standard.
- E 1035-02 (Includes change to title), *Practice for Determining Neutron Exposures for Nuclear Reactor* – revised standard.
- E 1445-02, *Terminology Relating to Hazardous Potential of Chemicals* – revised standard.
- E 2061-02, *Guide for Fire Hazard Assessment of Rail Transportation Vehicles* – revised standard.
- E 2215-02, *Practice for Evaluation of Surveillance Capsules from Light-Water Moderated Nuclear Power Reactor Vessels* – new standard.
- G 118-02, *Guide for Recommended Format of Wear Test Data Suitable for Databases* – revised standard.

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, Richard.Serbu@eh.doe.gov.

Addresses: *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). To update your mailing and e-mail addresses, please contact Debbie Queener, ORNL, 865-574-0398, Fax 865-574-8481, queenerds@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-574-0398, queenerds@ornl.gov.